

All communications respecting this case should identify it by number and names of parties.



Paper No. 11

**U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: BOX INTERFERENCE
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Washington, D.C. 20231

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SEP 16 1988

**BOARD OF PATENT APPEALS
& INTERFERENCES**

Applicant: Chu
Serial No.: 032,041
Filed: March 26, 1987
For: SUPERCONDUCTIVITY IN
SQUARE-PLANAR COMPOUND
SYSTEMS
Accorded Benefit: None

The case referred to above has been forwarded to the Board of Patent Appeals and Interferences because it is adjudged to interfere with other cases hereafter specified. Attention is directed to the fact that this interference is declared pursuant to 37 CFR 1.601 et seq., effective February 11, 1985 (49 F.R. 48416, 1050 O.G. 385). The interference is designated as No. 101,981.

By direction of the Commissioner of Patents and Trademarks and as required by 35 USC 135(c), notice is hereby given the parties of the requirement of the law for filing in the Patent and Trademark Office a copy of any agreement "in connection with or in contemplation of the termination of the interference."

Junior Party

Applicants: Syed B. Qadri, Louis E. Toth, Michael S. Osofsky,
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Serial No.: 158,483 filed February 22, 1988

For : SUBSTANTIALLY SINGLE PHASE SUPERCONDUCTING OXIDE
CERAMICS HAVING A TC ABOVE 85 K AND A METHOD OF
MAKING THE CERAMIC

Assignee : None

Accorded Benefit of : None

Attorney of Record : A. David Spevack and Thomas E. McDonnell

Associate of Record : None

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Junior Party

Applicant : Ching-Wu Chu

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Serial No.: 032,041 filed March 26, 1987

For : SUPERCONDUCTIVITY IN SQUARE-PLANAR COMPOUND SYSTEMS

Assignee : University of Houston, University Park of Texas

Accorded Benefit of : None

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Garvey, Jr., Charles M. Cox, Penrose
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Associate of Record : None

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Serial No.: 024,653 filed March 11, 1987

For ° : ELECTRICALLY SUPERCONDUCTING COMPOSITIONS AND
PROCESSES FOR THEIR PREPARATION

Assignee : International Business Machines Corporation a
corp., of New York

Accorded Benefit of : None

Attorney of Record : Joseph G. Walsh, Peter R. Leal and
Maurice H. Klitzman

Associate of Record : None

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Senior Party

Applicant : Bertram J. Batlogg, Robert J. Cava and
Robert B. Van Dover

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300 Emerson Lane, Berkeley Heights, NJ 07922

Serial No.: 021,229 filed March 3, 1987

For : DEVICES AND SYSTEMS BASED ON NOVEL SUPERCONDUCTING
MATERIAL

Assignee : Bell Telephone Laboratories Inc., a corp of NY
American Telephone Telegraph Company, a corp
of NY

Accorded Benefit of : None

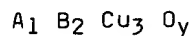
Attorney of Record : John P. McDonnell and George S. Indig

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Count 1

A crystalline essentially single phase composition having a perovskite like structure, exhibiting zero electrical resistance at a temperature of 70° K or higher, having the formula:
the formula:



wherein A is Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er,

Tm, Yb, Lu, or mixtures thereof:

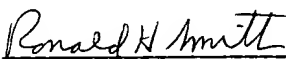
B is Ba, Sr, or mixtures thereof; and

y is a value that provides the composition with zero electrical resistance at a temperature of 70° K or above said composition having a purity of at least 90%.

The claims of the parties which correspond to this count are:

| | | |
|---------------|---|--|
| Qadri et al | : | claims 24 and 25 |
| Chu | : | claims 16, 20-28, 47-49, 56-65 and 82-94 |
| Beyers et al | : | claims 1-10 |
| Batlogg et al | : | claims 1-16 |

RHS/ce



Ronald H. Smith
Examiner-in-Chief
(703) 557-4057

INTERFERENCE
DIGEST

Interference No. 101,981 Paper No. 12
Name, Ching-Wu Chu
Serial No. 032,041 Patent No. _____
Title, SUPERCONDUCTIVITY IN SQUARE-PLANAR COMPOUND SYSTEMS
Filed, March 26, 1987
Interference with Beyers, et al Bartlogg, et al Qadri, et al

DECISION ON MOTIONS

Examiner-in-Chief, _____ Dated, _____

final decision

~~DECISIONS ON PRIORITY~~

Board of Patent Appeals and Interferences, Paper # 142 Dated, 11/9/90

Adverse to Chu

Court, _____ Dated, _____

REMARKS